

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Carolina Alonso

GENERAL INFORMATION:

Name:	E.I. Dupont De Nemours
Address:	HC 66 400 Harris Road, Wurtland, KENTUCKY
Date application received:	March 6, 2007
SIC/Source description:	2819, Sulfuric Acid-Inorganic Chemical Manufacture
Source ID #:	21-089-00001
Source A.I. #:	1589
Activity #:	APE20070001
Permit number:	V-06-026 Revision 1

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
X Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual* (tpy)	Potential (tpy)
PM/PM ₁₀	19.73	733.12
SO ₂	2267.96	2990.52
NO _x	4.00	32.22
CO	0.29	20.08
VOC	0.016	1.26
Single HAPs - HCl	1.32	3.42
Source wide HAPs	1.32	3.42

* Actual Emissions from Emission Inventory Survey 2005 (TEMPO database).

SOURCE DESCRIPTION:

E.I. DuPont De Nemours and Company (Dupont) located in Wurtland, Kentucky, produces sulfuric acid, oleum, sulfur trioxide (SO₃), chlorosulfonic acid (CSA), and SO₃/CSA blend. The source is a major source, as defined by 401 KAR 52:020 Title V Permits, for the potential emissions of over 100 tons per year of sulfur dioxide (SO₂), and particulate matter less than 10 microns (PM₁₀) which includes emissions of sulfuric acid mist.

MINOR PERMIT REVISION:

As a result from a consent decree between DuPont and EPA, the V-06-026 limit for SO₂ emissions of 27.6 pounds per ton of acid produced is replaced by a lower limit of 21 pounds per ton of acid produced, the production being expressed as 100 percent sulfuric acid. The resultant SO₂ potential emissions from the facility were reduced from 3,485 tpy to 2,991 tpy.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

NA

OPERATIONAL FLEXIBILITY:

NA